

□if a English version is needed, please let me know□

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☐☐ ☐☐☐ email: gulifan@hotmail.com

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Turing Test

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Nature

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1) AlphaGo Zero superhuman

2) natural language process (NLP) Chinese room argument

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BRAIN Initiative

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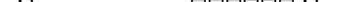



Superhuman Quantum Supremacy



☐ Nature

AlphaGo Zero の Nature での superhuman 性能 [1] AlphaGo の game AlphaGo Zero の

Shor's algorithm

Quantum Supremacy

Quantum Supremacy  Sycamore  NISQ  noise 
 noise 
 noise 

Quantum Supremacy  noise 

Quantum Supremacy NISQ John Preskill [3]

Quantum Supremacy □□□□ optimization □ machine learning □□□□□□□□□□□□□□□□
□□□□□□□ NISQ □□ noisy □□□ Sycamore □□□□□□□□□□□□□□□□□□□□□□□□□□□□

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niche market
IT

[illegible]

Quantum supremacy using a programmable superconducting processor

Quantum supremacy using a programmable superconducting processor

Quantum supremacy using a programmable superconducting processor

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[1] Mastering the game of Go without human knowledge, published in Nature, on 18 October 2017: <https://www.nature.com/articles/nature24270>.

[2] Quantum supremacy using a programmable superconducting processor, published in Nature, on 23 October, 2019: <https://www.nature.com/articles/s41586-019-1666-5>

[3] <https://www.quantamagazine.org/john-preskill-explains-quantum-supremacy-20191002/>.